

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Bowen-Leaver, et al.

Serial No.: 09/897,871

Group Art Unit: 1617

Filed: July 2, 2001

Examiner: Yu, Gina C.

For: Ringing Nanogel Compositions

Amendments

Please amend the following claims.

1. (currently amended) An oil-in-water nanogel composition comprising an oil phase having a mean droplet size of less than about 100 nm, an emulsifier, a water phase, and a silicone oil component comprising at least one volatile silicone oil different than the oil phase, wherein said oil phase and said silicone component are self-structured by a high shear/pressure treatment, [having]at least about 20 percent by weight of the composition and at least about 5 times the amount of the emulsifier and the nanogel has a difference in complex viscosity of at least about 10,000 poise under oscillation stress in the range of about 0 to 5,000 (dyne/cm²).
2. (previously amended) The composition of claim 1 further comprising the emulsifier present in an amount no greater than about 8 percent by weight of the composition.
3. (original) The composition of claim 2 wherein said oil phase is a hydrocarbon oil.
4. (canceled) The composition of claim 3 wherein said silicone component comprises at least one volatile silicone oil.
5. (original) The composition of claim 4 wherein the volatile silicone is a cyclomethicone.
6. (currently amended) A ringing nanogel composition comprising an oil phase, a water phase, a silicone oil component comprising at least one volatile silicone oil different than the oil phase, and less than about 8

percent by weight of the composition of an emulsifier, wherein said oil phase and said silicone component are having at least about 20 percent by weight of the composition and at least about 5 times the amount of the emulsifier self-structured by a high shear/pressure treatment, and has a difference in complex viscosity of at least about 10,000 poise under oscillation stress in the range of about 0 to 5,000 (dyne/cm²) and has an initial complex viscosity of greater than about 15,000 poise.

7. (previously amended) A method of making a ringing nanogel comprising the steps of combining an oil phase, a water phase, an emulsifier, and a silicone oil component comprising at least one volatile silicone oil different than the oil phase, to make an oil-in-water emulsion wherein the silicone component and the oil phase are at least about 20 percent by weight of the composition and are at least about 5 times the amount of the emulsifier, and subjecting the oil-in-water emulsion to a high shear/pressure treatment at least two consecutive times.

8. (previously amended) The method of claim 7 wherein the emulsion is subjected to the high shear/pressure treatment three times.

9. (original) The method of claim 7 wherein the ringing nanogel has a difference in complex viscosity of at least about 10,000 poise under oscillation stress in the range of about 0 to 5,000 (dyne/cm²).

10. (original) The method of claim 7 wherein the ringing nanogel has an initial complex viscosity of at least about 15,000 poise.

11. (previously amended) The method of claim 7 further comprising no greater than about 8 percent by weight of the composition of an emulsifier.

12. (canceled) The method of claim 7 further comprising no greater than about 1 percent by weight of the composition of an emulsifier.

13. (previously amended) The method of claim 7 wherein the oil phase is a hydrocarbon oil.

14. (canceled) The method of claim 13 wherein the silicone component comprises at least one volatile silicone oil.

15. (original) The method of claim 14 wherein the volatile silicone oil is cyclomethicone.

16. (previously amended) A ringing nanogel composition prepared according to the method of claim 7 having less than about 8 percent by weight of the composition of an emulsifier.